

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-23 (Canceled):

24 (Currently Amended): An imaging apparatus having an imaging unit which forms an object image, and generates an image by photoelectric conversion, a generator which generates a single image from a plurality of images obtained by the imaging unit, and a storage unit which converts the image obtained by the imaging unit or the generator means into a predetermined designated data format, and stores the converted image obtained by the generator in a storage medium, said apparatus comprising:

a detector, arranged to detect spatial frequency characteristics of a plurality of color components of the image obtained by the imaging unit; and

~~a controller, arranged to designate the data format and control supply of an image to the storage unit in correspondence with the detected spatial frequency characteristics~~

~~a shift unit, arranged to shift the plurality of images obtained by the imaging unit with respect to each other,~~

~~wherein said shift unit changes a shift amount in correspondence with a result of comparison between the spatial frequency characteristics of the plurality of color components of the image detected by said detector.~~

25 (Canceled):

26 (Currently Amended): The apparatus according to claim 24, wherein said detector detects high-frequency components of the plurality of color components of the image obtained by the imaging unit.

27-29 (Canceled):

30 (Currently Amended): An imaging method for an imaging apparatus having an imaging unit which forms an object image, and generates an image a generator which generates a single image from a plurality of images obtained by the imaging unit by a plurality of shifts, and a storage unit which ~~converts the image obtained by the imaging unit or the generator into a designated data format~~, and stores the converted image obtained by the generator in a storage medium, the method comprising the steps of:

detecting spatial frequency characteristics of a plurality of color components of the image obtained by the imaging unit; and

~~designating the data format and controlling supply of an image to the storage unit in correspondence with the detected characteristics~~

~~shifting the plurality of images obtained by the imaging unit with respect to each other, wherein said shifting step changes a shift amount in correspondence with a result of comparison between the spatial frequency characteristics of the plurality of color components of the image detected in said detecting step.~~

31 (Currently Amended): A computer program product stored on a computer readable medium comprising computer program code, for executing imaging processing of an imaging apparatus having an imaging unit which forms an object image, and generates an image by photoelectric conversion, a generator which generates a single image from a plurality of images

obtained by the imaging unit, and a storage unit which converts the image obtained by the imaging unit or the generator into a designated data format, and stores the converted image obtained by the generator in a storage medium, the method comprising the steps of:

detecting spatial frequency characteristics of a plurality of color components of the image obtained by the imaging unit; and

~~designating the data format and controlling supply of an image to the storage unit in correspondence with the detected spatial frequency characteristics~~

shifting the plurality of images obtained by the imaging unit with respect to each other,  
wherein said shifting step changes a shift amount in correspondence with a result of  
comparison between the spatial frequency characteristics of the plurality of color components of  
the image detected in said detecting step.

32-34 (Canceled):

35 (New): The imaging apparatus according to claim 24, wherein each of the pixels of the imaging unit corresponds to one of the plurality of color components in such a manner that resolutions of the pixels corresponding to the plurality of color components are not the same.

36 (New): The imaging apparatus according to claim 35, wherein said shift unit sets the shift amount in accordance with the resolution of the pixels corresponding to a color component having a largest high-frequency component among the plurality of color components.